

SEQUENCE LISTING

<110> CHROMOCELL CORPORATION

<120> METHODS AND MATERIALS USING SIGNALING PROBES

<130> CHROMO/003

<140> US 10/589,052

<141> 2006-08-10

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<151> 2005-02-17

<150> 60/546,075

<151> 2004-02-18

<160> 71

<170> PatentIn Ver. 3.3

<210> 1

<211> 24

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 1

gttcttaagg cacaggaact ggga

24

<210> 2

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 2

tcccagttcc tgtgccttaa gaac

24

<210> 3

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 3

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aaggcacagg aactgggaca tctgggcccc gaaagccttt ttctctgtga tccggtacag 120
tccttctgcg caggtggaca ggaaggttct aatgttctt 159

<210> 4

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<223> Description of Artificial Sequence: Synthetic
polynucleotide

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tttaactgat ggatggaaca gtccttctgc gcaggtggac agcttggttc taatgaagtt 60
aaccctgtcg ttctgcgaca tctgggcccc gaaagcgttt aactgatgga tggaacagtc 120
cttctgcgca ggtggacagc ttggttctaa tgaagtt 157

<210> 5

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
polynucleotide

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tataggtgtc gcttgctgct catctgggcc cggagatgcg taaagtcaga catccggtac 120
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oligonucleotide

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<222> (7)..(9)

<223> 5-methyl dC

<220>

<221> modified_base

<222> (10)

<223> 2-amino dA

<220>

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<222> (14)..(15)

<223> 5-methyl dC

<220>

<221> modified_base

<222> (20)..(21)

<223> 5-methyl dC

<220>

<221> modified_base

<222> (24)

<223> 2-amino dA

<220>

<221> modified_base

<222> (27)..(28)

<223> 2-amino dA

<220>

<221> modified_base

<222> (29)

<223> 5-methyl dC

<400> 6

gccagtccca gttcctgtgc cttaagaacc tcgc

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<210> 7

<211> 34

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<222> (6)

<223> 2'-5' linked

<220>

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<222> (8)

<223> 2'-5' linked

<220>

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<222> (10)

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<222> (14)

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oligonucleotide

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<222> (7)..(9)
<223> Ara-C

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<222> (14)..(15)
<223> Ara-C

<220>
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<222> (20)..(21)
<223> Ara-C

<220>
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<222> (29)
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<212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
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 <223> Description of Combined DNA/RNA Molecule:
 Synthetic oligonucleotide

 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <220>
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 <222> (6)..(29)
 <223> phosphorothioate linkage

 <220>
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 <222> (6)..(9)
 <223> 2'-F-RNA

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 <222> (12)..(16)
 <223> 2'-F-RNA

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<210> 11
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Combined DNA/RNA Molecule:
Synthetic oligonucleotide

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<222> (6)..(29)
<223> phosphorothioate linkage

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<223> 2'-F-RNA

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<223> 2'-F-RNA

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<210> 12
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<222> (10)
<223> 2-amino-A

<220>
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<222> (24)..(25)
<223> 2-amino-A

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<223> 2-amino-A

<400> 12
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34

<210> 13
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<213> Artificial Sequence

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oligonucleotide

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<222> (14)..(15)
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<222> (29)

<223> 2'-OMe-5-Me-C

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34

<210> 14

<211> 34

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<222> (1)

<223> LNA

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<222> (4)

<223> LNA

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<223> LNA

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<210> 15
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<223> Description of Artificial Sequence: Synthetic
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<222> (25)
<223> LNA

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<221> modified_base

<222> (28)

<223> LNA

<400> 15

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34

<210> 16

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<221> modified_base

<222> (6)..(29)

<223> phosphorothioate linkage

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34

<210> 17

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<221> modified_base

<222> (6)

<223> phosphorothioate linkage

<220>

<221> modified_base

<222> (10)

<223> phosphorothioate linkage

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<223> phosphorothioate linkage

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<221> modified_base

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<223> phosphorothioate linkage

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<221> modified_base

<222> (23)
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<223> phosphorothioate linkage

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<210> 18
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<212> DNA
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oligonucleotide

<220>
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<222> (6)..(29)
<223> 2-O-Methyl-RNA

<400> 18
gccagtccca gttcctgtgc cttaagaacc tcgc

34

<210> 19
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

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<222> (6)
<223> 2-O-Methyl-RNA

<220>
<221> modified_base
<222> (10)
<223> 2-O-Methyl-RNA

<220>
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<223> 2-O-Methyl-RNA

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<221> modified_base

<222> (23)

<223> 2-O-Methyl-RNA

<220>

<221> modified_base

<222> (27)

<223> 2-O-Methyl-RNA

<400> 19

gccagtccca gttcctgtgc cttaagaacc tcgc

34

<210> 20

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Combined DNA/RNA Molecule:
Synthetic oligonucleotide

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>

<221> modified_base

<222> (6)..(9)

<223> C5-propyne analog

<220>

<221> modified_base

<222> (12)..(16)

<223> C5-propyne analog

<220>

<221> modified_base

<222> (18)

<223> C5-propyne analog

<220>

<221> modified_base

<222> (20)..(23)

<223> C5-propyne analog

<220>

<221> modified_base

<222> (29)

<223> C5-propyne analog

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gccaguccca guuccugugc cuuaagaacc tcgc

34

<210> 21
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 21
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34

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 22
tcgcagaacg acagggttaa cttc

24

<210> 23
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 23
gcgagtgcga gaacgacagg gttaacttcc tcgc

34

<210> 24
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 24
agcgacaagc agaccctata gaac

24

<210> 25
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
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 oligonucleotide

 <400> 25
 gcgagagcga caagcagacc ctatagaacc tcgc 34

 <210> 26
 <211> 31
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 26
 ctgcagcgac aagcagaccc tatagaacgg g 31

 <210> 27
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 27
 ggaatccag ttctgtgcc ttaagaactt cc 32

 <210> 28
 <211> 32
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 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 28
 ggaatcgag aacgacaggg ttaacttctt cc 32

 <210> 29
 <211> 32
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
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<400> 29
ggaaagcgac aagcagaccc tatagaactt cc 32

<210> 30
<211> 29
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 30
tcccagttcc tgtgccttaa gaacattag 29

<210> 31
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 31
tcccagttcc tgtgccttaa gaacattagt 30

<210> 32
<211> 40
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 32
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<210> 33
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<212> DNA
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 33
ggaatcccag ttctgtgcc ttaagaacat tagtttcc 38

<210> 34

<211> 34
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

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 gtgattccca gttcctgtgc cttagaaca tcac 34

 <210> 35
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 <223> Description of Artificial Sequence: Synthetic
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 <400> 35
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 <210> 36
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 <212> DNA
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 oligonucleotide

 <400> 36
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 <210> 37
 <211> 30
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

 <400> 37
 gcgtccagt tcctgtgcct taagaaccgc 30

 <210> 38
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 38
atcgatgtag cttatggatc ttagc 25

<210> 39
<211> 35
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39
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<210> 40
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 40
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<210> 41
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 41
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<210> 42
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 42
gttggtgtggt tgggtggtgt gttg 24

<210> 43
<211> 34
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 43
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<210> 44
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 44
tcccagttcc tgtgccttaa gaac 24

<210> 45
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 45
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<210> 46
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<220>
<223> Description of Artificial Sequence: Synthetic
polynucleotide

<400> 46
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accagggctc	agcagtattc	agaataatct	tcttccacgt	agttggcagg	gaaaccgcgc	2580
gggagctgtc	acagcccctg	gctccgctgc	ctgcccacgc	cgggctcaga	gcctggagtt	2640
tctcatgtca	gggcacatcc	cgggagcacc	gccagctgga	cgctgcgctc	ctccagtcca	2700
tcccaaagtc	tccccttgag	ccccgtctgc	ttgaggggac	ccaagaggaa	atcgggggtgt	2760
tataaattaa	c					2771

<210> 47

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 47

gcagggtggac	aggaagggttc	taatgttctt	aaggcacagg	aactgggaca	tctgggccccg	60
gaaagccttt	ttctctgtga	tccggtacag	tccttctgc			99

<210> 48
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 48
gcgaggttct taaggcacag gaactgggac tcgc 34

<210> 49
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 49
gcaggtggac aggaaggttc taatgttctt aaggcacagg aactgggaca tctgggcccg 60
gaaagccttt ttctctgtga tccggtacag tccttctgc 99

<210> 50
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Combined DNA/RNA Molecule:
Synthetic polynucleotide

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 50
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccg 60
gaaagcggtt aacugatgga uggaacagtc cttctgc 97

<210> 51
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 51
gcaggtggac aggaaggttc taatgttcta tagggtctgc ttgtcgctca tctgggcccg 60
gagatgcgta aagtcagaca tccggtacag tccttctgc 99

<210> 52
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 52
gaagttaacc ctgtcgttct gcga 24

<210> 53
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 53
gttctatagg gtctgcttgt cgct 24

<210> 54
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 54
gcaggtggac aggaaggttc taatgttctt aaggcacagg aactgggaca tctgggcccg 60
gaaagccttt ttctctgtga tccggtacag tccttctgc 99

<210> 55
<211> 99
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 55
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccg 60
gaaagcgctt aactgacaga tggggtacag tccttctgc 99

<210> 56

<211> 94
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 56
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccg 60
gaaagcgttt aacgatgggg tacagtcctt ctgc 94

<210> 57
<211> 95
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 57
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccg 60
gaaagcgttt aactgatggg gtacagtcct tctgc 95

<210> 58
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 58
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccg 60
gaaagcgttt aactgatgga tggtagatgc cttctgc 97

<210> 59
<211> 97
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide

<400> 59
gcaggtggac agcttggttc taatgaagtt aaccctgtcg ttctgcgaca tctgggcccg 60
gaaagcgttt aactgatgga tggtagatgc cttctgc 97

<210> 60
<211> 99

<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 60

gcaggtggac aggaagggttc taatgttcta tagggctctgc ttgtcgctca tctgggcccg 60
gaaagccttt aagtcagaca tccggtacag tccttctgc 99

<210> 61

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 61

gcaggtggac aggaagggttc taatgttcta tagggctctgc ttgtcgctca tctgggcccg 60
gaaagcctta aagtcagaca tccggtacag tccttctgc 99

<210> 62

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 62

gcaggtggac aggaagggttc taatgttcta tagggctctgc ttgtcgctca tctgggcccg 60
gaaagcggtta aagtcagaca tccggtacag tccttctgc 99

<210> 63

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 63

gcaggtggac aggaagggttc taatgttcta tagggctctgc ttgtcgctca tctgggcccg 60
gaaagcggtta aagtcagaca tccggtacag tccttctgc 99

<210> 64

<211> 98

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 64

gcaggtggac aggaaggttc taatgttcta tagggtctgc ttgtcgctca tctgggcccg 60
gaaagcgtaa agtcagacat ccggtacagt ctttctgc 98

<210> 65

<211> 99

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 65

gcagguggac aggaagguuc uaauguucuu aaggcacagg aacugggaca ucugggcccg 60
gaaagccuuu uucucuguga uccgguacag uccuucugc 99

<210> 66

<211> 97

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 66

gcagguggac agcuugguuc uaaugaagu aaccugucg uucugcgaca ucugggcccg 60
gaaagcguuu aacugaugga uggaacaguc cuucugc 97

<210> 67

<211> 99

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 67

gcagguggac aggaagguuc uaauguucua uagggucugc uugucgcuca ucugggcccg 60
gagaugcgua aagucagaca uccgguacag uccuucugc 99

<210> 68

<211> 99

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 68

gcagguggac aggaagguuc uaauguucuu aaggcacagg aacugggaca ucugggcccg 60
gaaagccuuu uucucuguga uccgguacag uccuucugc 99

<210> 69

<211> 22

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 69

cugcacaucg aagaggucaa ag 22

<210> 70

<211> 99

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 70

cgaacuucuc acagcaggug gacaggaagg uucuaauguu cuuaaggcac aggaacuggg 60
acaucugggg gcgcagguug accucacgca gguugaugg 99

<210> 71

<211> 71

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 71

aaguagcccc cggaagccu uuucucugu gaucgguac aguccuucug cugucaugau 60
uuuaaugugc u 71